

**Occupation Projections for North Central Wisconsin Workforce Development Area, 2004-2014**  
(Adams, Forest, Langlade, Lincoln, Marathon, Oneida, Portage, Vilas, and Wood Counties)

**Major Occupational Group Summary**

SOC Code	Occupational Title	Estimated Employment <sup>(1)</sup>				Estimated Average Annual Openings <sup>(1)</sup>			Estimated Salary and Wages (2005)		
		2004	2014	Change	% Change	New Jobs	Replacements <sup>(2)</sup>	Total <sup>(3)</sup>	Average Annual Salary <sup>(5)</sup>	Entry Level Hourly Wage <sup>(6)</sup>	Experienced Hourly Wage <sup>(7)</sup>
00-0000	Total, All Occupations	199,070	222,540	23,470	11.8%	2,350	4,800	7,150	\$32,998	\$8.16	\$19.72
11-0000	Management Occupations	6,870	7,860	990	14.4%	100	130	230	\$74,633	\$16.54	\$45.55
13-0000	Business and Financial Operations Occupations	7,160	8,340	1,180	16.5%	120	130	250	\$47,780	\$13.60	\$27.66
15-0000	Computer and Mathematical Occupations	2,980	3,820	840	28.2%	80	40	120	\$53,522	\$15.92	\$30.64
17-0000	Architecture and Engineering Occupations	2,180	2,410	230	10.6%	20	50	70	\$50,450	\$16.16	\$28.30
19-0000	Life, Physical, and Social Science Occupations	1,340	1,570	230	17.2%	20	30	50	\$51,526	\$14.60	\$29.86
21-0000	Community and Social Services Occupations	4,730	5,740	1,010	21.4%	100	90	190	\$39,520	\$11.74	\$22.63
23-0000	Legal Occupations	760	870	110	14.5%	10	10	20	\$66,559	\$14.94	\$40.53
25-0000	Education, Training, and Library Occupations	9,220	10,680	1,460	15.8%	150	200	350	\$39,065	\$10.84	\$22.75
27-0000	Arts, Design, Entertainment, Sports, and Media Occupations	2,360	2,710	350	14.8%	40	50	90	\$32,320	\$8.25	\$19.19
29-0000	Healthcare Practitioners and Technical Occupations	11,650	15,290	3,640	31.2%	360	220	580	\$54,220	\$13.55	\$32.32
31-0000	Healthcare Support Occupations	5,770	7,450	1,680	29.1%	170	90	260	\$24,491	\$9.19	\$13.07
33-0000	Protective Service Occupations	3,430	3,700	270	7.9%	30	100	130	\$29,963	\$8.23	\$17.49
35-0000	Food Preparation and Serving Related Occupations	16,240	18,560	2,320	14.3%	230	650	880	\$17,048	\$5.92	\$9.34
37-0000	Building and Grounds Cleaning and Maintenance Occupations	6,760	7,780	1,020	15.1%	100	140	240	\$22,707	\$7.52	\$12.62
39-0000	Personal Care and Service Occupations	4,770	5,740	970	20.3%	100	110	210	\$20,818	\$6.91	\$11.56
41-0000	Sales and Related Occupations	18,070	19,570	1,500	8.3%	150	630	780	\$27,975	\$6.81	\$16.77
43-0000	Office and Administrative Support Occupations	33,880	35,570	1,690	5.0%	170	780	950	\$26,994	\$8.66	\$15.14
45-0000	Farming, Fishing, and Forestry Occupations	340	360	20	5.9%	<5	10	10	\$26,778	\$8.14	\$15.24
47-0000	Construction and Extraction Occupations	8,370	9,700	1,330	15.9%	130	160	290	\$38,029	\$12.30	\$21.27
49-0000	Installation, Maintenance, and Repair Occupations	7,860	8,690	830	10.6%	80	180	260	\$35,508	\$10.93	\$20.14
51-0000	Production Occupations	24,580	24,610	30	0.1%	<5	600	600	\$30,867	\$9.94	\$17.29
53-0000	Transportation and Material Moving Occupations	19,770	21,520	1,750	8.9%	180	430	610	\$29,636	\$8.21	\$17.27

See Notes At End of Workbook

**Occupation Projections for North Central Wisconsin Workforce Development Area, 2004-2014**  
(Adams, Forest, Langlade, Lincoln, Marathon, Oneida, Portage, Vilas, and Wood Counties)

**Top 50 Occupations with the Most New Jobs**

SOC Code	Occupational Title	Estimated Employment <sup>(1)</sup>				Estimated Average Annual Openings <sup>(1)</sup>			Typical Education and Training Path <sup>(4)</sup>	Estimated Salary and Wages (2005)		
		2004	2014	Change	% Change	New Jobs	Replacements <sup>(2)</sup>	Total <sup>(3)</sup>		Average Annual Salary <sup>(5)</sup>	Entry Level Hourly Wage <sup>(6)</sup>	Experienced Hourly Wage <sup>(7)</sup>
29-1111	Registered Nurses	4,470	6,130	1,660	37.1%	170	90	260	Associate or Bachelor's degree <sup>(8)</sup>	\$53,615	\$20.07	\$28.63
41-2031	Retail Salespersons	5,700	6,510	810	14.2%	80	210	290	Short-term on-the-job training	\$22,325	\$6.82	\$12.69
53-3032	Truck Drivers, Heavy and Tractor-Trailer	5,850	6,590	740	12.6%	70	100	170	Moderate-term on-the-job training	\$38,419	\$13.24	\$21.09
43-4051	Customer Service Representatives	3,290	4,000	710	21.6%	70	50	120	Moderate-term on-the-job training	\$27,439	\$8.92	\$15.33
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	3,620	4,190	570	15.7%	60	160	220	Short-term on-the-job training	\$15,043	\$5.94	\$7.88
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	3,310	3,850	540	16.3%	50	60	110	Short-term on-the-job training	\$23,202	\$8.19	\$12.64
31-1012	Nursing Aides, Orderlies, and Attendants	2,770	3,300	530	19.1%	50	40	90	Postsecondary vocational training	\$23,059	\$9.32	\$11.97
35-3031	Waiters and Waitresses	3,270	3,750	480	14.7%	50	170	220	Short-term on-the-job training	\$15,400	\$5.90	\$8.16
31-1011	Home Health Aides	760	1,130	370	48.7%	40	10	50	Short-term on-the-job training	\$19,334	\$7.36	\$10.26
39-9021	Personal and Home Care Aides	1,000	1,370	370	37.0%	40	20	60	Short-term on-the-job training	\$19,188	\$8.06	\$9.81
51-2092	Team Assemblers	3,400	3,770	370	10.9%	40	90	130	Moderate-term on-the-job training	\$26,245	\$8.88	\$14.48

**Occupation Projections for North Central Wisconsin Workforce Development Area, 2004-2014**  
(Adams, Forest, Langlade, Lincoln, Marathon, Oneida, Portage, Vilas, and Wood Counties)

**Top 50 Occupations with the Most New Jobs**

SOC Code	Occupational Title	Estimated Employment <sup>(1)</sup>				Estimated Average Annual Openings <sup>(1)</sup>			Typical Education and Training Path <sup>(4)</sup>	Estimated Salary and Wages (2005)		
		2004	2014	Change	% Change	New Jobs	Replacements <sup>(2)</sup>	Total <sup>(3)</sup>		Average Annual Salary <sup>(5)</sup>	Entry Level Hourly Wage <sup>(6)</sup>	Experienced Hourly Wage <sup>(7)</sup>
47-2031	Carpenters	2,000	2,360	360	18.0%	40	30	70	Long-term on-the-job training	\$35,663	\$13.55	\$18.94
43-4171	Receptionists and Information Clerks	1,740	2,060	320	18.4%	30	40	70	Short-term on-the-job training	\$22,219	\$8.68	\$11.68
31-9092	Medical Assistants	630	920	290	46.0%	30	10	40	Moderate-term on-the-job training	\$27,152	\$10.81	\$14.17
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	2,120	2,410	290	13.7%	30	60	90	Moderate-term on-the-job training	\$52,271	\$13.87	\$30.76
11-1021	General and Operations Managers	1,930	2,210	280	14.5%	30	40	70	Bachelor's or higher degree+ work experience	\$81,796	\$20.12	\$48.93
15-1031	Computer Software Engineers, Applications	550	810	260	47.3%	30	10	40	Bachelor's degree	\$62,385	\$22.70	\$33.64
37-2012	Maids and Housekeeping Cleaners	2,040	2,290	250	12.3%	30	40	70	Short-term on-the-job training	\$17,876	\$6.84	\$9.47
43-6011	Executive Secretaries and Administrative Assistants	2,040	2,280	240	11.8%	20	40	60	Moderate-term on-the-job training	\$31,812	\$11.28	\$17.30
53-3033	Truck Drivers, Light or Delivery Services	1,680	1,920	240	14.3%	20	20	40	Short-term on-the-job training	\$23,360	\$7.86	\$12.91
13-2011	Accountants and Auditors	1,230	1,460	230	18.7%	20	20	40	Bachelor's degree	\$52,670	\$17.98	\$28.99
25-9041	Teacher Assistants	1,390	1,620	230	16.5%	20	30	50	Associate degree	\$22,282	Not Available	Not Available

**Occupation Projections for North Central Wisconsin Workforce Development Area, 2004-2014**  
(Adams, Forest, Langlade, Lincoln, Marathon, Oneida, Portage, Vilas, and Wood Counties)

**Top 50 Occupations with the Most New Jobs**

SOC Code	Occupational Title	Estimated Employment <sup>(1)</sup>				Estimated Average Annual Openings <sup>(1)</sup>			Typical Education and Training Path <sup>(4)</sup>	Estimated Salary and Wages (2005)		
		2004	2014	Change	% Change	New Jobs	Replacements <sup>(2)</sup>	Total <sup>(3)</sup>		Average Annual Salary <sup>(5)</sup>	Entry Level Hourly Wage <sup>(6)</sup>	Experienced Hourly Wage <sup>(7)</sup>
53-7064	Packers and Packagers, Hand	1,690	1,910	220	13.0%	20	30	50	Short-term on-the-job training	\$19,236	\$6.41	\$10.67
49-9042	Maintenance and Repair Workers, General	2,000	2,210	210	10.5%	20	40	60	Long-term on-the-job training	\$33,827	\$11.05	\$18.87
25-2021	Elementary School Teachers, Except Special Education	1,550	1,750	200	12.9%	20	30	50	Bachelor's degree	\$43,722	Not Available	Not Available
35-2021	Food Preparation Workers	1,080	1,280	200	18.5%	20	40	60	Short-term on-the-job training	\$18,797	\$6.92	\$10.09
35-3011	Bartenders	1,640	1,840	200	12.2%	20	70	90	Short-term on-the-job training	\$16,688	\$6.38	\$8.84
21-1093	Social and Human Service Assistants	670	850	180	26.9%	20	10	30	Moderate-term on-the-job training	\$27,159	\$9.77	\$14.70
43-9061	Office Clerks, General	3,330	3,510	180	5.4%	20	70	90	Short-term on-the-job training	\$22,970	\$7.74	\$12.70
35-1012	First-Line Supervisors/Managers of Food Preparation and Serving Workers	1,050	1,220	170	16.2%	20	30	50	Work experience in a related occupation	\$26,097	\$8.53	\$14.55
15-1051	Computer Systems Analysts	700	860	160	22.9%	20	10	30	Bachelor's degree	\$60,804	\$21.75	\$32.98
31-9091	Dental Assistants	410	570	160	39.0%	20	10	30	Moderate-term on-the-job training	\$27,583	\$11.03	\$14.38
37-3011	Landscaping and Groundskeeping Workers	960	1,120	160	16.7%	20	20	40	Short-term on-the-job training	\$21,957	\$7.37	\$12.15

**Occupation Projections for North Central Wisconsin Workforce Development Area, 2004-2014**  
(Adams, Forest, Langlade, Lincoln, Marathon, Oneida, Portage, Vilas, and Wood Counties)

**Top 50 Occupations with the Most New Jobs**

SOC Code	Occupational Title	Estimated Employment <sup>(1)</sup>				Estimated Average Annual Openings <sup>(1)</sup>			Typical Education and Training Path <sup>(4)</sup>	Estimated Salary and Wages (2005)		
		2004	2014	Change	% Change	New Jobs	Replacements <sup>(2)</sup>	Total <sup>(3)</sup>		Average Annual Salary <sup>(5)</sup>	Entry Level Hourly Wage <sup>(6)</sup>	Experienced Hourly Wage <sup>(7)</sup>
39-9011	Child Care Workers	1,020	1,180	160	15.7%	20	30	50	Short-term on-the-job training	\$16,376	\$6.02	\$8.80
43-3031	Bookkeeping, Accounting, and Auditing Clerks	3,040	3,200	160	5.3%	20	60	80	Moderate-term on-the-job training	\$26,847	\$8.63	\$15.05
53-3022	Bus Drivers, School	830	990	160	19.3%	20	20	40	Short-term on-the-job training	\$24,233	\$8.90	\$13.03
25-2011	Preschool Teachers, Except Special Education	530	680	150	28.3%	20	10	30	Bachelor's degree	\$29,129	\$9.01	\$16.50
29-2061	Licensed Practical and Licensed Vocational Nurses	930	1,070	140	15.1%	10	20	30	Postsecondary vocational training	\$34,962	\$14.09	\$18.17
35-2014	Cooks, Restaurant	920	1,060	140	15.2%	10	30	40	Long-term on-the-job training	\$18,100	\$7.32	\$9.39
11-9111	Medical and Health Services Managers	430	560	130	30.2%	10	10	20	Bachelor's or higher degree+ work experience	\$71,539	\$25.13	\$39.03
21-1023	Mental Health and Substance Abuse Social Workers	360	490	130	36.1%	10	10	20	Master's degree	\$41,326	\$12.15	\$23.73
29-2021	Dental Hygienists	350	480	130	37.1%	10	<5	10	Associate degree	\$47,861	\$19.43	\$24.80
35-9021	Dishwashers	880	1,010	130	14.8%	10	30	40	Short-term on-the-job training	\$14,521	\$5.94	\$7.50
43-1011	First-Line Supervisors/Managers of Office and Administrative Support Workers	1,810	1,940	130	7.2%	10	40	50	Work experience in a related occupation	\$42,812	\$13.29	\$24.23

**Occupation Projections for North Central Wisconsin Workforce Development Area, 2004-2014**  
(Adams, Forest, Langlade, Lincoln, Marathon, Oneida, Portage, Vilas, and Wood Counties)

**Top 50 Occupations with the Most New Jobs**

SOC Code	Occupational Title	Estimated Employment <sup>(1)</sup>				Estimated Average Annual Openings <sup>(1)</sup>			Typical Education and Training Path <sup>(4)</sup>	Estimated Salary and Wages (2005)		
		2004	2014	Change	% Change	New Jobs	Replace-ments <sup>(2)</sup>	Total <sup>(3)</sup>		Average Annual Salary <sup>(5)</sup>	Entry Level Hourly Wage <sup>(6)</sup>	Experienced Hourly Wage <sup>(7)</sup>
47-2111	Electricians	950	1,080	130	13.7%	10	20	30	Long-term on-the-job training	\$47,768	\$17.13	\$25.88
49-3023	Automotive Service Technicians and Mechanics	1,050	1,180	130	12.4%	10	30	40	Postsecondary vocational training	\$29,817	\$8.83	\$17.09
25-2031	Secondary School Teachers, Except Special and Vocational Education	1,270	1,390	120	9.4%	10	40	50	Bachelor's degree	\$41,990	Not Available	Not Available
15-1071	Network and Computer Systems Administrators	280	390	110	39.3%	10	<5	10	Bachelor's degree	\$53,918	\$18.06	\$29.85
15-1081	Network Systems and Data Communications Analysts	190	300	110	57.9%	10	<5	10	Bachelor's degree	\$48,081	\$15.69	\$26.83
21-2011	Clergy	1,050	1,160	110	10.5%	10	20	30	Master's degree	\$39,667	\$12.28	\$22.47

Sub-Set Totals (Top 50)	85,760	100,210	14,450	16.8%	1,450	2,070	3,520
Overall Totals	199,070	222,540	23,470	11.8%	2,350	4,800	7,150
Percent of Overall	43.1%	45.0%	61.6%		61.7%	43.1%	49.2%

**See Notes At End of Workbook**

**Occupation Projections for North Central Wisconsin Workforce Development Area, 2004-2014**  
(Adams, Forest, Langlade, Lincoln, Marathon, Oneida, Portage, Vilas, and Wood Counties)

**Top 50 Fastest Growing Occupations (with at least 200 jobs in 2014)**

SOC Code	Occupational Title	Estimated Employment <sup>(1)</sup>				Estimated Average Annual Openings <sup>(1)</sup>			Typical Education and Training Path <sup>(4)</sup>	Estimated Salary and Wages (2005)		
		2004	2014	Change	% Change	New Jobs	Replacements <sup>(2)</sup>	Total <sup>(3)</sup>		Average Annual Salary <sup>(5)</sup>	Entry Level Hourly Wage <sup>(6)</sup>	Experienced Hourly Wage <sup>(7)</sup>
15-1081	Network Systems and Data Communications Analysts	190	300	110	57.9%	10	<5	10	Bachelor's degree	\$48,081	\$15.69	\$26.83
31-1011	Home Health Aides	760	1,130	370	48.7%	40	10	50	Short-term on-the-job training	\$19,334	\$7.36	\$10.26
15-1031	Computer Software Engineers, Applications	550	810	260	47.3%	30	10	40	Bachelor's degree	\$62,385	\$22.70	\$33.64
31-9092	Medical Assistants	630	920	290	46.0%	30	10	40	Moderate-term on-the-job training	\$27,152	\$10.81	\$14.17
15-1032	Computer Software Engineers, Systems Software	140	200	60	42.9%	10	<5	10	Bachelor's degree	\$67,834	\$23.79	\$37.02
15-1071	Network and Computer Systems Administrators	280	390	110	39.3%	10	<5	10	Bachelor's degree	\$53,918	\$18.06	\$29.85
31-9091	Dental Assistants	410	570	160	39.0%	20	10	30	Moderate-term on-the-job training	\$27,583	\$11.03	\$14.38
29-1062	Family and General Practitioners	160	220	60	37.5%	10	<5	10	First professional degree	\$174,510	Not Available	Not Available
29-2021	Dental Hygienists	350	480	130	37.1%	10	<5	10	Associate degree	\$47,861	\$19.43	\$24.80
29-1111	Registered Nurses	4,470	6,130	1,660	37.1%	170	90	260	Associate or Bachelor's degree <sup>(8)</sup>	\$53,615	\$20.07	\$28.63
39-9021	Personal and Home Care Aides	1,000	1,370	370	37.0%	40	20	60	Short-term on-the-job training	\$19,188	\$8.06	\$9.81
21-1023	Mental Health and Substance Abuse Social Workers	360	490	130	36.1%	10	10	20	Master's degree	\$41,326	\$12.15	\$23.73

**Occupation Projections for North Central Wisconsin Workforce Development Area, 2004-2014**  
(Adams, Forest, Langlade, Lincoln, Marathon, Oneida, Portage, Vilas, and Wood Counties)

**Top 50 Fastest Growing Occupations (with at least 200 jobs in 2014)**

SOC Code	Occupational Title	Estimated Employment <sup>(1)</sup>				Estimated Average Annual Openings <sup>(1)</sup>			Typical Education and Training Path <sup>(4)</sup>	Estimated Salary and Wages (2005)		
		2004	2014	Change	% Change	New Jobs	Replacements <sup>(2)</sup>	Total <sup>(3)</sup>		Average Annual Salary <sup>(5)</sup>	Entry Level Hourly Wage <sup>(6)</sup>	Experienced Hourly Wage <sup>(7)</sup>
29-2071	Medical Records and Health Information Technicians	330	440	110	33.3%	10	10	20	Associate degree	\$27,966	\$9.88	\$15.23
29-2055	Surgical Technologists	240	320	80	33.3%	10	<5	10	Postsecondary vocational training	\$37,299	\$14.73	\$19.53
29-1122	Occupational Therapists	210	280	70	33.3%	10	<5	10	Master's degree	\$48,683	\$16.09	\$27.06
29-1123	Physical Therapists	280	370	90	32.1%	10	<5	10	Master's degree	\$62,244	\$23.92	\$32.93
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	350	460	110	31.4%	10	10	20	Long-term on-the-job training	\$35,965	\$13.28	\$19.29
25-1071	Health Specialties Teachers, Postsecondary	160	210	50	31.3%	10	<5	10	Master's degree	*	*	*
31-9094	Medical Transcriptionists	290	380	90	31.0%	10	10	20	Postsecondary vocational training	\$28,337	\$11.37	\$14.75
29-2034	Radiologic Technologists and Technicians	360	470	110	30.6%	10	10	20	Associate degree	\$43,894	\$16.09	\$23.61
11-9111	Medical and Health Services Managers	430	560	130	30.2%	10	10	20	Bachelor's or higher degree+ work experience	\$71,539	\$25.13	\$39.03
53-3041	Taxi Drivers and Chauffeurs	270	350	80	29.6%	10	<5	10	Short-term on-the-job training	\$19,409	\$7.48	\$10.26
29-2012	Medical and Clinical Laboratory Technicians	170	220	50	29.4%	10	10	20	Associate degree	\$33,321	\$12.59	\$17.73
29-2011	Medical and Clinical Laboratory Technologists	240	310	70	29.2%	10	10	20	Bachelor's degree	\$47,744	\$18.82	\$25.02



**Occupation Projections for North Central Wisconsin Workforce Development Area, 2004-2014**  
(Adams, Forest, Langlade, Lincoln, Marathon, Oneida, Portage, Vilas, and Wood Counties)

**Top 50 Fastest Growing Occupations (with at least 200 jobs in 2014)**

SOC Code	Occupational Title	Estimated Employment <sup>(1)</sup>				Estimated Average Annual Openings <sup>(1)</sup>			Typical Education and Training Path <sup>(4)</sup>	Estimated Salary and Wages (2005)		
		2004	2014	Change	% Change	New Jobs	Replacements <sup>(2)</sup>	Total <sup>(3)</sup>		Average Annual Salary <sup>(5)</sup>	Entry Level Hourly Wage <sup>(6)</sup>	Experienced Hourly Wage <sup>(7)</sup>
29-1051	Pharmacists	310	400	90	29.0%	10	10	20	First professional degree	\$94,200	\$37.47	\$49.20
21-1014	Mental Health Counselors	350	450	100	28.6%	10	10	20	Master's degree	\$47,215	\$15.00	\$26.55
19-3031	Clinical, Counseling, and School Psychologists	210	270	60	28.6%	10	10	20	Doctoral degree	\$75,427	\$21.28	\$43.76
21-1022	Medical and Public Health Social Workers	210	270	60	28.6%	10	<5	10	Master's degree	\$42,235	\$14.82	\$23.05
25-2011	Preschool Teachers, Except Special Education	530	680	150	28.3%	20	10	30	Bachelor's degree	\$29,129	\$9.01	\$16.50
43-4111	Interviewers, Except Eligibility and Loan	290	370	80	27.6%	10	10	20	Short-term on-the-job training	\$25,592	\$9.98	\$13.47
49-9052	Telecommunications Line Installers and Repairers	220	280	60	27.3%	10	10	20	Long-term on-the-job training	\$43,286	\$14.23	\$24.10
29-2052	Pharmacy Technicians	370	470	100	27.0%	10	10	20	Moderate-term on-the-job training	\$24,115	\$8.84	\$12.97
21-1093	Social and Human Service Assistants	670	850	180	26.9%	20	10	30	Moderate-term on-the-job training	\$27,159	\$9.77	\$14.70
11-3021	Computer and Information Systems Managers	270	340	70	25.9%	10	10	20	Bachelor's or higher degree+ work experience	\$89,884	\$26.41	\$51.61
43-3011	Bill and Account Collectors	360	450	90	25.0%	10	10	20	Short-term on-the-job training	\$27,033	\$10.35	\$14.32
39-1021	First-Line Supervisors/Managers of Personal Service Workers	170	210	40	23.5%	<5	<5	<5	Work experience in a related occupation	\$31,283	\$11.50	\$16.81

**Occupation Projections for North Central Wisconsin Workforce Development Area, 2004-2014**  
(Adams, Forest, Langlade, Lincoln, Marathon, Oneida, Portage, Vilas, and Wood Counties)

**Top 50 Fastest Growing Occupations (with at least 200 jobs in 2014)**

SOC Code	Occupational Title	Estimated Employment <sup>(1)</sup>				Estimated Average Annual Openings <sup>(1)</sup>			Typical Education and Training Path <sup>(4)</sup>	Estimated Salary and Wages (2005)		
		2004	2014	Change	% Change	New Jobs	Replacements <sup>(2)</sup>	Total <sup>(3)</sup>		Average Annual Salary <sup>(5)</sup>	Entry Level Hourly Wage <sup>(6)</sup>	Experienced Hourly Wage <sup>(7)</sup>
15-1051	Computer Systems Analysts	700	860	160	22.9%	20	10	30	Bachelor's degree	\$60,804	\$21.75	\$32.98
11-9151	Social and Community Service Managers	180	220	40	22.2%	<5	<5	<5	Bachelor's degree	\$47,715	\$16.97	\$25.92
43-4051	Customer Service Representatives	3,290	4,000	710	21.6%	70	50	120	Moderate-term on-the-job training	\$27,439	\$8.92	\$15.33
21-1021	Child, Family, and School Social Workers	420	510	90	21.4%	10	10	20	Master's degree	\$43,213	\$15.23	\$23.55
47-2051	Cement Masons and Concrete Finishers	280	340	60	21.4%	10	10	20	Moderate-term on-the-job training	\$31,908	\$11.24	\$17.39
25-2041	Special Education Teachers, Preschool, Kindergarten, and Elementary School	190	230	40	21.1%	<5	<5	<5	Bachelor's degree	\$43,091	Not Available	Not Available
27-3031	Public Relations Specialists	290	350	60	20.7%	10	<5	10	Bachelor's degree	\$43,491	\$12.80	\$24.96
13-1051	Cost Estimators	340	410	70	20.6%	10	10	20	Bachelor's degree	\$52,345	\$16.58	\$29.46
17-2112	Industrial Engineers	250	300	50	20.0%	10	10	20	Bachelor's degree	\$60,625	\$22.43	\$32.51
27-1024	Graphic Designers	250	300	50	20.0%	10	<5	10	Bachelor's degree	\$35,893	\$10.85	\$20.46
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	250	300	50	20.0%	10	10	20	Short-term on-the-job training	\$31,219	\$10.95	\$17.04
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	310	370	60	19.4%	10	10	20	Moderate-term on-the-job training	\$55,894	\$15.18	\$32.72

**Occupation Projections for North Central Wisconsin Workforce Development Area, 2004-2014**  
(Adams, Forest, Langlade, Lincoln, Marathon, Oneida, Portage, Vilas, and Wood Counties)

**Top 50 Fastest Growing Occupations (with at least 200 jobs in 2014)**

SOC Code	Occupational Title	Estimated Employment <sup>(1)</sup>				Estimated Average Annual Openings <sup>(1)</sup>			Typical Education and Training Path <sup>(4)</sup>	Estimated Salary and Wages (2005)		
		2004	2014	Change	% Change	New Jobs	Replacements <sup>(2)</sup>	Total <sup>(3)</sup>		Average Annual Salary <sup>(5)</sup>	Entry Level Hourly Wage <sup>(6)</sup>	Experienced Hourly Wage <sup>(7)</sup>
29-2041	Emergency Medical Technicians and Paramedics	570	680	110	19.3%	10	10	20	Postsecondary vocational training	\$26,790	\$9.13	\$14.76

Also included in the top fifty but not shown to protect the confidentiality of employers is the following occupation:

21-1011	Substance Abuse and Behavioral Disorder Counselors	*	*	*	*	10	10	20	Master's degree	\$47,626	\$19.31	\$24.69
---------	--	---	---	---	---	----	----	----	-----------------	----------	---------	---------

Sub-Set Totals (Excluding Sub Abuse Counselors)	23,910	31,290	7,380	30.9%	820	460	1,280
Overall Totals	199,070	222,540	23,470	11.8%	2,350	4,800	7,150
Percent of Overall	12.0%	14.1%	31.4%		34.9%	9.6%	17.9%

**See Notes At End of Workbook**

**Occupation Projections for North Central Wisconsin Workforce Development Area, 2004-2014**  
(Adams, Forest, Langlade, Lincoln, Marathon, Oneida, Portage, Vilas, and Wood Counties)

**Top 50 Occupations with the Most Replacements**

SOC Code	Occupational Title	Estimated Employment <sup>(1)</sup>				Estimated Average Annual Openings <sup>(1)</sup>			Typical Education and Training Path <sup>(4)</sup>	Estimated Salary and Wages (2005)		
		2004	2014	Change	% Change	New Jobs	Replacements <sup>(2)</sup>	Total <sup>(3)</sup>		Average Annual Salary <sup>(5)</sup>	Entry Level Hourly Wage <sup>(6)</sup>	Experienced Hourly Wage <sup>(7)</sup>
41-2011	Cashiers	5,110	5,060	-50	-1.0%	<5	250	250	Short-term on-the-job training	\$16,147	\$6.13	\$8.58
41-2031	Retail Salespersons	5,700	6,510	810	14.2%	80	210	290	Short-term on-the-job training	\$22,325	\$6.82	\$12.69
35-3031	Waiters and Waitresses	3,270	3,750	480	14.7%	50	170	220	Short-term on-the-job training	\$15,400	\$5.90	\$8.16
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	3,620	4,190	570	15.7%	60	160	220	Short-term on-the-job training	\$15,043	\$5.94	\$7.88
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	4,520	4,630	110	2.4%	10	150	160	Short-term on-the-job training	\$25,000	\$7.12	\$14.47
53-3032	Truck Drivers, Heavy and Tractor-Trailer	5,850	6,590	740	12.6%	70	100	170	Moderate-term on-the-job training	\$38,419	\$13.24	\$21.09
29-1111	Registered Nurses	4,470	6,130	1,660	37.1%	170	90	260	Associate or Bachelor's degree <sup>(8)</sup>	\$53,615	\$20.07	\$28.63
43-5081	Stock Clerks and Order Fillers	2,530	2,320	-210	-8.3%	<5	90	90	Short-term on-the-job training	\$20,279	\$6.61	\$11.32
51-2092	Team Assemblers	3,400	3,770	370	10.9%	40	90	130	Moderate-term on-the-job training	\$26,245	\$8.88	\$14.48
35-3011	Bartenders	1,640	1,840	200	12.2%	20	70	90	Short-term on-the-job training	\$16,688	\$6.38	\$8.84
43-9061	Office Clerks, General	3,330	3,510	180	5.4%	20	70	90	Short-term on-the-job training	\$22,970	\$7.74	\$12.70

**Occupation Projections for North Central Wisconsin Workforce Development Area, 2004-2014**  
(Adams, Forest, Langlade, Lincoln, Marathon, Oneida, Portage, Vilas, and Wood Counties)

**Top 50 Occupations with the Most Replacements**

SOC Code	Occupational Title	Estimated Employment <sup>(1)</sup>				Estimated Average Annual Openings <sup>(1)</sup>			Typical Education and Training Path <sup>(4)</sup>	Estimated Salary and Wages (2005)		
		2004	2014	Change	% Change	New Jobs	Replacements <sup>(2)</sup>	Total <sup>(3)</sup>		Average Annual Salary <sup>(5)</sup>	Entry Level Hourly Wage <sup>(6)</sup>	Experienced Hourly Wage <sup>(7)</sup>
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	3,310	3,850	540	16.3%	50	60	110	Short-term on-the-job training	\$23,202	\$8.19	\$12.64
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	2,120	2,410	290	13.7%	30	60	90	Moderate-term on-the-job training	\$52,271	\$13.87	\$30.76
43-3031	Bookkeeping, Accounting, and Auditing Clerks	3,040	3,200	160	5.3%	20	60	80	Moderate-term on-the-job training	\$26,847	\$8.63	\$15.05
43-6014	Secretaries, Except Legal, Medical, and Executive	2,930	2,800	-130	-4.4%	<5	60	60	Moderate-term on-the-job training	\$26,283	\$9.53	\$14.19
43-3071	Tellers	930	1,030	100	10.8%	10	50	60	Short-term on-the-job training	\$21,391	\$8.65	\$11.10
43-4051	Customer Service Representatives	3,290	4,000	710	21.6%	70	50	120	Moderate-term on-the-job training	\$27,439	\$8.92	\$15.33
11-1021	General and Operations Managers	1,930	2,210	280	14.5%	30	40	70	Bachelor's or higher degree+ work experience	\$81,796	\$20.12	\$48.93
25-2031	Secondary School Teachers, Except Special and Vocational Education	1,270	1,390	120	9.4%	10	40	50	Bachelor's degree	\$41,990	Not Available	Not Available
31-1012	Nursing Aides, Orderlies, and Attendants	2,770	3,300	530	19.1%	50	40	90	Postsecondary vocational training	\$23,059	\$9.32	\$11.97
35-2021	Food Preparation Workers	1,080	1,280	200	18.5%	20	40	60	Short-term on-the-job training	\$18,797	\$6.92	\$10.09
37-2012	Maids and Housekeeping Cleaners	2,040	2,290	250	12.3%	30	40	70	Short-term on-the-job training	\$17,876	\$6.84	\$9.47

**Occupation Projections for North Central Wisconsin Workforce Development Area, 2004-2014**  
(Adams, Forest, Langlade, Lincoln, Marathon, Oneida, Portage, Vilas, and Wood Counties)

**Top 50 Occupations with the Most Replacements**

SOC Code	Occupational Title	Estimated Employment <sup>(1)</sup>				Estimated Average Annual Openings <sup>(1)</sup>			Typical Education and Training Path <sup>(4)</sup>	Estimated Salary and Wages (2005)		
		2004	2014	Change	% Change	New Jobs	Replacements <sup>(2)</sup>	Total <sup>(3)</sup>		Average Annual Salary <sup>(5)</sup>	Entry Level Hourly Wage <sup>(6)</sup>	Experienced Hourly Wage <sup>(7)</sup>
43-1011	First-Line Supervisors/Managers of Office and Administrative Support Workers	1,810	1,940	130	7.2%	10	40	50	Work experience in a related occupation	\$42,812	\$13.29	\$24.23
43-4171	Receptionists and Information Clerks	1,740	2,060	320	18.4%	30	40	70	Short-term on-the-job training	\$22,219	\$8.68	\$11.68
43-6011	Executive Secretaries and Administrative Assistants	2,040	2,280	240	11.8%	20	40	60	Moderate-term on-the-job training	\$31,812	\$11.28	\$17.30
49-9042	Maintenance and Repair Workers, General	2,000	2,210	210	10.5%	20	40	60	Long-term on-the-job training	\$33,827	\$11.05	\$18.87
51-9198	Helpers--Production Workers	1,570	1,630	60	3.8%	10	40	50	Short-term on-the-job training	\$26,490	\$9.12	\$14.54
25-2021	Elementary School Teachers, Except Special Education	1,550	1,750	200	12.9%	20	30	50	Bachelor's degree	\$43,722	Not Available	Not Available
25-9041	Teacher Assistants	1,390	1,620	230	16.5%	20	30	50	Associate degree	\$22,282	Not Available	Not Available
35-1012	First-Line Supervisors/Managers of Food Preparation and Serving Workers	1,050	1,220	170	16.2%	20	30	50	Work experience in a related occupation	\$26,097	\$8.53	\$14.55
35-2014	Cooks, Restaurant	920	1,060	140	15.2%	10	30	40	Long-term on-the-job training	\$18,100	\$7.32	\$9.39
35-3022	Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	430	500	70	16.3%	10	30	40	Short-term on-the-job training	\$15,364	\$6.07	\$8.04
35-9021	Dishwashers	880	1,010	130	14.8%	10	30	40	Short-term on-the-job training	\$14,521	\$5.94	\$7.50

**Occupation Projections for North Central Wisconsin Workforce Development Area, 2004-2014**  
(Adams, Forest, Langlade, Lincoln, Marathon, Oneida, Portage, Vilas, and Wood Counties)

**Top 50 Occupations with the Most Replacements**

SOC Code	Occupational Title	Estimated Employment <sup>(1)</sup>				Estimated Average Annual Openings <sup>(1)</sup>			Typical Education and Training Path <sup>(4)</sup>	Estimated Salary and Wages (2005)		
		2004	2014	Change	% Change	New Jobs	Replacements <sup>(2)</sup>	Total <sup>(3)</sup>		Average Annual Salary <sup>(5)</sup>	Entry Level Hourly Wage <sup>(6)</sup>	Experienced Hourly Wage <sup>(7)</sup>
39-9011	Child Care Workers	1,020	1,180	160	15.7%	20	30	50	Short-term on-the-job training	\$16,376	\$6.02	\$8.80
41-1011	First-Line Supervisors/Managers of Retail Sales Workers	1,420	1,500	80	5.6%	10	30	40	Work experience in a related occupation	\$34,363	\$10.80	\$19.38
43-4151	Order Clerks	1,200	1,250	50	4.2%	10	30	40	Short-term on-the-job training	\$21,862	\$7.78	\$11.87
47-2031	Carpenters	2,000	2,360	360	18.0%	40	30	70	Long-term on-the-job training	\$35,663	\$13.55	\$18.94
49-3023	Automotive Service Technicians and Mechanics	1,050	1,180	130	12.4%	10	30	40	Postsecondary vocational training	\$29,817	\$8.83	\$17.09
51-1011	First-Line Supervisors/Managers of Production and Operating Workers	1,580	1,670	90	5.7%	10	30	40	Work experience in a related occupation	\$47,220	\$14.67	\$26.72
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	970	900	-70	-7.2%	<5	30	30	Moderate-term on-the-job training	\$26,087	\$9.64	\$13.99
51-9111	Packaging and Filling Machine Operators and Tenders	1,400	1,280	-120	-8.6%	<5	30	30	Short-term on-the-job training	\$25,867	\$9.16	\$14.07
51-9196	Paper Goods Machine Setters, Operators, and Tenders	1,430	1,280	-150	-10.5%	<5	30	30	Moderate-term on-the-job training	\$40,436	\$14.56	\$21.88
53-7051	Industrial Truck and Tractor Operators	1,640	1,690	50	3.0%	10	30	40	Short-term on-the-job training	\$29,071	\$11.07	\$15.43
53-7064	Packers and Packagers, Hand	1,690	1,910	220	13.0%	20	30	50	Short-term on-the-job training	\$19,236	\$6.41	\$10.67

**Occupation Projections for North Central Wisconsin Workforce Development Area, 2004-2014**  
(Adams, Forest, Langlade, Lincoln, Marathon, Oneida, Portage, Vilas, and Wood Counties)

**Top 50 Occupations with the Most Replacements**

SOC Code	Occupational Title	Estimated Employment <sup>(1)</sup>				Estimated Average Annual Openings <sup>(1)</sup>			Typical Education and Training Path <sup>(4)</sup>	Estimated Salary and Wages (2005)		
		2004	2014	Change	% Change	New Jobs	Replacements <sup>(2)</sup>	Total <sup>(3)</sup>		Average Annual Salary <sup>(5)</sup>	Entry Level Hourly Wage <sup>(6)</sup>	Experienced Hourly Wage <sup>(7)</sup>
13-2011	Accountants and Auditors	1,230	1,460	230	18.7%	20	20	40	Bachelor's degree	\$52,670	\$17.98	\$28.99
21-2011	Clergy	1,050	1,160	110	10.5%	10	20	30	Master's degree	\$39,667	\$12.28	\$22.47
25-2022	Middle School Teachers, Except Special and Vocational Education	790	850	60	7.6%	10	20	30	Bachelor's degree	\$42,260	Not Available	Not Available
29-2061	Licensed Practical and Licensed Vocational Nurses	930	1,070	140	15.1%	10	20	30	Postsecondary vocational training	\$34,962	\$14.09	\$18.17
33-2011	Fire Fighters	610	700	90	14.8%	10	20	30	Long-term on-the-job training	\$23,010	\$7.50	\$12.84
33-3051	Police and Sheriff's Patrol Officers	870	930	60	6.9%	10	20	30	Long-term on-the-job training	\$40,874	\$14.95	\$22.00

Sub-Set Totals (Top 50)	104,410	115,710	11,300	10.8%	1,220	2,820	4,040
Overall Totals	199,070	222,540	23,470	11.8%	2,350	4,800	7,150
Percent of Overall	52.4%	52.0%	48.1%		51.9%	58.8%	56.5%

**See Notes At End of Workbook**



**Occupation Projections for North Central Wisconsin Workforce Development Area, 2004-2014**  
(Adams, Forest, Langlade, Lincoln, Marathon, Oneida, Portage, Vilas, and Wood Counties)

**Top 50 Occupations with the Most Job Openings**

SOC Code	Occupational Title	Estimated Employment <sup>(1)</sup>				Estimated Average Annual Openings <sup>(1)</sup>			Typical Education and Training Path <sup>(4)</sup>	Estimated Salary and Wages (2005)		
		2004	2014	Change	% Change	New Jobs	Replacements <sup>(2)</sup>	Total <sup>(3)</sup>		Average Annual Salary <sup>(5)</sup>	Entry Level Hourly Wage <sup>(6)</sup>	Experienced Hourly Wage <sup>(7)</sup>
41-2031	Retail Salespersons	5,700	6,510	810	14.2%	80	210	290	Short-term on-the-job training	\$22,325	\$6.82	\$12.69
29-1111	Registered Nurses	4,470	6,130	1,660	37.1%	170	90	260	Associate or Bachelor's degree <sup>(8)</sup>	\$53,615	\$20.07	\$28.63
41-2011	Cashiers	5,110	5,060	-50	-1.0%	<5	250	250	Short-term on-the-job training	\$16,147	\$6.13	\$8.58
35-3031	Waiters and Waitresses	3,270	3,750	480	14.7%	50	170	220	Short-term on-the-job training	\$15,400	\$5.90	\$8.16
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	3,620	4,190	570	15.7%	60	160	220	Short-term on-the-job training	\$15,043	\$5.94	\$7.88
53-3032	Truck Drivers, Heavy and Tractor-Trailer	5,850	6,590	740	12.6%	70	100	170	Moderate-term on-the-job training	\$38,419	\$13.24	\$21.09
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	4,520	4,630	110	2.4%	10	150	160	Short-term on-the-job training	\$25,000	\$7.12	\$14.47
51-2092	Team Assemblers	3,400	3,770	370	10.9%	40	90	130	Moderate-term on-the-job training	\$26,245	\$8.88	\$14.48
43-4051	Customer Service Representatives	3,290	4,000	710	21.6%	70	50	120	Moderate-term on-the-job training	\$27,439	\$8.92	\$15.33
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	3,310	3,850	540	16.3%	50	60	110	Short-term on-the-job training	\$23,202	\$8.19	\$12.64
43-5081	Stock Clerks and Order Fillers	2,530	2,320	-210	-8.3%	<5	90	90	Short-term on-the-job training	\$20,279	\$6.61	\$11.32

**Occupation Projections for North Central Wisconsin Workforce Development Area, 2004-2014**  
(Adams, Forest, Langlade, Lincoln, Marathon, Oneida, Portage, Vilas, and Wood Counties)

**Top 50 Occupations with the Most Job Openings**

SOC Code	Occupational Title	Estimated Employment <sup>(1)</sup>				Estimated Average Annual Openings <sup>(1)</sup>			Typical Education and Training Path <sup>(4)</sup>	Estimated Salary and Wages (2005)		
		2004	2014	Change	% Change	New Jobs	Replacements <sup>(2)</sup>	Total <sup>(3)</sup>		Average Annual Salary <sup>(5)</sup>	Entry Level Hourly Wage <sup>(6)</sup>	Experienced Hourly Wage <sup>(7)</sup>
35-3011	Bartenders	1,640	1,840	200	12.2%	20	70	90	Short-term on-the-job training	\$16,688	\$6.38	\$8.84
43-9061	Office Clerks, General	3,330	3,510	180	5.4%	20	70	90	Short-term on-the-job training	\$22,970	\$7.74	\$12.70
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	2,120	2,410	290	13.7%	30	60	90	Moderate-term on-the-job training	\$52,271	\$13.87	\$30.76
31-1012	Nursing Aides, Orderlies, and Attendants	2,770	3,300	530	19.1%	50	40	90	Postsecondary vocational training	\$23,059	\$9.32	\$11.97
43-3031	Bookkeeping, Accounting, and Auditing Clerks	3,040	3,200	160	5.3%	20	60	80	Moderate-term on-the-job training	\$26,847	\$8.63	\$15.05
11-1021	General and Operations Managers	1,930	2,210	280	14.5%	30	40	70	Bachelor's or higher degree+ work experience	\$81,796	\$20.12	\$48.93
37-2012	Maids and Housekeeping Cleaners	2,040	2,290	250	12.3%	30	40	70	Short-term on-the-job training	\$17,876	\$6.84	\$9.47
43-4171	Receptionists and Information Clerks	1,740	2,060	320	18.4%	30	40	70	Short-term on-the-job training	\$22,219	\$8.68	\$11.68
47-2031	Carpenters	2,000	2,360	360	18.0%	40	30	70	Long-term on-the-job training	\$35,663	\$13.55	\$18.94
43-6014	Secretaries, Except Legal, Medical, and Executive	2,930	2,800	-130	-4.4%	<5	60	60	Moderate-term on-the-job training	\$26,283	\$9.53	\$14.19
43-3071	Tellers	930	1,030	100	10.8%	10	50	60	Short-term on-the-job training	\$21,391	\$8.65	\$11.10

**Occupation Projections for North Central Wisconsin Workforce Development Area, 2004-2014**  
(Adams, Forest, Langlade, Lincoln, Marathon, Oneida, Portage, Vilas, and Wood Counties)

**Top 50 Occupations with the Most Job Openings**

SOC Code	Occupational Title	Estimated Employment <sup>(1)</sup>				Estimated Average Annual Openings <sup>(1)</sup>			Typical Education and Training Path <sup>(4)</sup>	Estimated Salary and Wages (2005)		
		2004	2014	Change	% Change	New Jobs	Replacements <sup>(2)</sup>	Total <sup>(3)</sup>		Average Annual Salary <sup>(5)</sup>	Entry Level Hourly Wage <sup>(6)</sup>	Experienced Hourly Wage <sup>(7)</sup>
35-2021	Food Preparation Workers	1,080	1,280	200	18.5%	20	40	60	Short-term on-the-job training	\$18,797	\$6.92	\$10.09
43-6011	Executive Secretaries and Administrative Assistants	2,040	2,280	240	11.8%	20	40	60	Moderate-term on-the-job training	\$31,812	\$11.28	\$17.30
49-9042	Maintenance and Repair Workers, General	2,000	2,210	210	10.5%	20	40	60	Long-term on-the-job training	\$33,827	\$11.05	\$18.87
39-9021	Personal and Home Care Aides	1,000	1,370	370	37.0%	40	20	60	Short-term on-the-job training	\$19,188	\$8.06	\$9.81
25-2031	Secondary School Teachers, Except Special and Vocational Education	1,270	1,390	120	9.4%	10	40	50	Bachelor's degree	\$41,990	Not Available	Not Available
43-1011	First-Line Supervisors/Managers of Office and Administrative Support Workers	1,810	1,940	130	7.2%	10	40	50	Work experience in a related occupation	\$42,812	\$13.29	\$24.23
51-9198	Helpers--Production Workers	1,570	1,630	60	3.8%	10	40	50	Short-term on-the-job training	\$26,490	\$9.12	\$14.54
25-2021	Elementary School Teachers, Except Special Education	1,550	1,750	200	12.9%	20	30	50	Bachelor's degree	\$43,722	Not Available	Not Available
25-9041	Teacher Assistants	1,390	1,620	230	16.5%	20	30	50	Associate degree	\$22,282	Not Available	Not Available
35-1012	First-Line Supervisors/Managers of Food Preparation and Serving Workers	1,050	1,220	170	16.2%	20	30	50	Work experience in a related occupation	\$26,097	\$8.53	\$14.55
39-9011	Child Care Workers	1,020	1,180	160	15.7%	20	30	50	Short-term on-the-job training	\$16,376	\$6.02	\$8.80

**Occupation Projections for North Central Wisconsin Workforce Development Area, 2004-2014**  
(Adams, Forest, Langlade, Lincoln, Marathon, Oneida, Portage, Vilas, and Wood Counties)

**Top 50 Occupations with the Most Job Openings**

SOC Code	Occupational Title	Estimated Employment <sup>(1)</sup>				Estimated Average Annual Openings <sup>(1)</sup>			Typical Education and Training Path <sup>(4)</sup>	Estimated Salary and Wages (2005)		
		2004	2014	Change	% Change	New Jobs	Replacements <sup>(2)</sup>	Total <sup>(3)</sup>		Average Annual Salary <sup>(5)</sup>	Entry Level Hourly Wage <sup>(6)</sup>	Experienced Hourly Wage <sup>(7)</sup>
53-7064	Packers and Packagers, Hand	1,690	1,910	220	13.0%	20	30	50	Short-term on-the-job training	\$19,236	\$6.41	\$10.67
31-1011	Home Health Aides	760	1,130	370	48.7%	40	10	50	Short-term on-the-job training	\$19,334	\$7.36	\$10.26
35-2014	Cooks, Restaurant	920	1,060	140	15.2%	10	30	40	Long-term on-the-job training	\$18,100	\$7.32	\$9.39
35-3022	Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	430	500	70	16.3%	10	30	40	Short-term on-the-job training	\$15,364	\$6.07	\$8.04
35-9021	Dishwashers	880	1,010	130	14.8%	10	30	40	Short-term on-the-job training	\$14,521	\$5.94	\$7.50
41-1011	First-Line Supervisors/Managers of Retail Sales Workers	1,420	1,500	80	5.6%	10	30	40	Work experience in a related occupation	\$34,363	\$10.80	\$19.38
43-4151	Order Clerks	1,200	1,250	50	4.2%	10	30	40	Short-term on-the-job training	\$21,862	\$7.78	\$11.87
49-3023	Automotive Service Technicians and Mechanics	1,050	1,180	130	12.4%	10	30	40	Postsecondary vocational training	\$29,817	\$8.83	\$17.09
51-1011	First-Line Supervisors/Managers of Production and Operating Workers	1,580	1,670	90	5.7%	10	30	40	Work experience in a related occupation	\$47,220	\$14.67	\$26.72
53-7051	Industrial Truck and Tractor Operators	1,640	1,690	50	3.0%	10	30	40	Short-term on-the-job training	\$29,071	\$11.07	\$15.43
13-2011	Accountants and Auditors	1,230	1,460	230	18.7%	20	20	40	Bachelor's degree	\$52,670	\$17.98	\$28.99

**Occupation Projections for North Central Wisconsin Workforce Development Area, 2004-2014**  
(Adams, Forest, Langlade, Lincoln, Marathon, Oneida, Portage, Vilas, and Wood Counties)

**Top 50 Occupations with the Most Job Openings**

SOC Code	Occupational Title	Estimated Employment <sup>(1)</sup>				Estimated Average Annual Openings <sup>(1)</sup>			Typical Education and Training Path <sup>(4)</sup>	Estimated Salary and Wages (2005)		
		2004	2014	Change	% Change	New Jobs	Replace-ments <sup>(2)</sup>	Total <sup>(3)</sup>		Average Annual Salary <sup>(5)</sup>	Entry Level Hourly Wage <sup>(6)</sup>	Experienced Hourly Wage <sup>(7)</sup>
37-3011	Landscaping and Groundskeeping Workers	960	1,120	160	16.7%	20	20	40	Short-term on-the-job training	\$21,957	\$7.37	\$12.15
53-3022	Bus Drivers, School	830	990	160	19.3%	20	20	40	Short-term on-the-job training	\$24,233	\$8.90	\$13.03
53-3033	Truck Drivers, Light or Delivery Services	1,680	1,920	240	14.3%	20	20	40	Short-term on-the-job training	\$23,360	\$7.86	\$12.91
15-1031	Computer Software Engineers, Applications	550	810	260	47.3%	30	10	40	Bachelor's degree	\$62,385	\$22.70	\$33.64
31-9092	Medical Assistants	630	920	290	46.0%	30	10	40	Moderate-term on-the-job training	\$27,152	\$10.81	\$14.17
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	970	900	-70	-7.2%	<5	30	30	Moderate-term on-the-job training	\$26,087	\$9.64	\$13.99

Sub-Set Totals (Top 50)	103,740	116,700	12,960	12.5%	1,370	2,770	4,140
Overall Totals	199,070	222,540	23,470	11.8%	2,350	4,800	7,150
Percent of Overall	52.1%	52.4%	55.2%		58.3%	57.7%	57.9%

**See Notes At End of Workbook**

**Occupation Projections for North Central Wisconsin Workforce Development Area, 2004-2014**  
(Adams, Forest, Langlade, Lincoln, Marathon, Oneida, Portage, Vilas, and Wood Counties)

**Top 50 Occupations Losing Jobs**

SOC Code	Occupational Title	Estimated Employment <sup>(1)</sup>				Estimated Average Annual Openings <sup>(1)</sup>			Typical Education and Training Path <sup>(4)</sup>	Estimated Salary and Wages (2005)		
		2004	2014	Change	% Change	New Jobs	Replacements <sup>(2)</sup>	Total <sup>(3)</sup>		Average Annual Salary <sup>(5)</sup>	Entry Level Hourly Wage <sup>(6)</sup>	Experienced Hourly Wage <sup>(7)</sup>
43-5081	Stock Clerks and Order Fillers	2,530	2,320	-210	-8.3%	<5	90	90	Short-term on-the-job training	\$20,279	\$6.61	\$11.32
51-9196	Paper Goods Machine Setters, Operators, and Tenders	1,430	1,280	-150	-10.5%	<5	30	30	Moderate-term on-the-job training	\$40,436	\$14.56	\$21.88
43-4071	File Clerks	330	200	-130	-39.4%	<5	10	10	Short-term on-the-job training	\$23,417	\$8.66	\$12.56
43-6014	Secretaries, Except Legal, Medical, and Executive	2,930	2,800	-130	-4.4%	<5	60	60	Moderate-term on-the-job training	\$26,283	\$9.53	\$14.19
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	800	680	-120	-15.0%	<5	20	20	Moderate-term on-the-job training	\$30,461	\$11.66	\$16.14
51-9111	Packaging and Filling Machine Operators and Tenders	1,400	1,280	-120	-8.6%	<5	30	30	Short-term on-the-job training	\$25,867	\$9.16	\$14.07
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	220	140	-80	-36.4%	<5	10	10	Short-term on-the-job training	\$21,445	\$7.76	\$11.59
53-7063	Machine Feeders and Offbearers	560	480	-80	-14.3%	<5	20	20	Short-term on-the-job training	\$31,152	\$8.06	\$18.43
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	970	900	-70	-7.2%	<5	30	30	Moderate-term on-the-job training	\$26,087	\$9.64	\$13.99
43-9011	Computer Operators	160	100	-60	-37.5%	<5	<5	<5	Moderate-term on-the-job training	\$30,046	\$10.83	\$16.25
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	640	590	-50	-7.8%	<5	20	20	Moderate-term on-the-job training	\$26,371	\$9.63	\$14.20
41-2011	Cashiers	5,110	5,060	-50	-1.0%	<5	250	250	Short-term on-the-job training	\$16,147	\$6.13	\$8.58

**Occupation Projections for North Central Wisconsin Workforce Development Area, 2004-2014**  
(Adams, Forest, Langlade, Lincoln, Marathon, Oneida, Portage, Vilas, and Wood Counties)

**Top 50 Occupations Losing Jobs**

SOC Code	Occupational Title	Estimated Employment <sup>(1)</sup>				Estimated Average Annual Openings <sup>(1)</sup>			Typical Education and Training Path <sup>(4)</sup>	Estimated Salary and Wages (2005)		
		2004	2014	Change	% Change	New Jobs	Replacements <sup>(2)</sup>	Total <sup>(3)</sup>		Average Annual Salary <sup>(5)</sup>	Entry Level Hourly Wage <sup>(6)</sup>	Experienced Hourly Wage <sup>(7)</sup>
43-9022	Word Processors and Typists	190	150	-40	-21.1%	<5	<5	<5	Moderate-term on-the-job training	\$29,785	\$11.39	\$15.78
43-5041	Meter Readers, Utilities	60	30	-30	-50.0%	<5	<5	<5	Short-term on-the-job training	\$35,751	\$10.37	\$20.60
43-2011	Switchboard Operators, Including Answering Service	290	260	-30	-10.3%	<5	10	10	Short-term on-the-job training	\$22,988	\$8.81	\$12.17
41-9041	Telemarketers	300	270	-30	-10.0%	<5	10	10	Short-term on-the-job training	\$22,279	\$7.83	\$12.15
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	380	350	-30	-7.9%	<5	10	10	Moderate-term on-the-job training	\$34,240	\$12.57	\$18.41
41-2022	Parts Salespersons	390	360	-30	-7.7%	<5	10	10	Moderate-term on-the-job training	\$26,272	\$8.36	\$14.77
43-4041	Credit Authorizers, Checkers, and Clerks	50	30	-20	-40.0%	<5	<5	<5	Short-term on-the-job training	\$31,168	\$11.07	\$16.94
43-9071	Office Machine Operators, Except Computer	100	80	-20	-20.0%	<5	<5	<5	Short-term on-the-job training	\$26,700	\$9.76	\$14.37
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	160	140	-20	-12.5%	<5	<5	<5	Short-term on-the-job training	\$28,458	\$10.25	\$15.40
43-4131	Loan Interviewers and Clerks	250	230	-20	-8.0%	<5	<5	<5	Short-term on-the-job training	\$26,842	\$10.98	\$13.87
43-9021	Data Entry Keyers	370	350	-20	-5.4%	<5	10	10	Moderate-term on-the-job training	\$24,699	\$9.33	\$13.15
11-1031	Legislators	430	410	-20	-4.7%	<5	10	10	Bachelor's or higher degree+ work experience	\$15,950	\$5.83	\$8.59

**Occupation Projections for North Central Wisconsin Workforce Development Area, 2004-2014**  
(Adams, Forest, Langlade, Lincoln, Marathon, Oneida, Portage, Vilas, and Wood Counties)

**Top 50 Occupations Losing Jobs**

SOC Code	Occupational Title	Estimated Employment <sup>(1)</sup>				Estimated Average Annual Openings <sup>(1)</sup>			Typical Education and Training Path <sup>(4)</sup>	Estimated Salary and Wages (2005)		
		2004	2014	Change	% Change	New Jobs	Replacements <sup>(2)</sup>	Total <sup>(3)</sup>		Average Annual Salary <sup>(5)</sup>	Entry Level Hourly Wage <sup>(6)</sup>	Experienced Hourly Wage <sup>(7)</sup>
49-9041	Industrial Machinery Mechanics	630	610	-20	-3.2%	<5	10	10	Long-term on-the-job training	\$38,614	\$14.75	\$20.47
51-6093	Upholsterers	30	20	-10	-33.3%	<5	<5	<5	Long-term on-the-job training	\$30,115	\$10.43	\$16.50
19-1032	Foresters	40	30	-10	-25.0%	<5	<5	<5	Bachelor's degree	\$45,588	\$16.93	\$24.41
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	40	30	-10	-25.0%	<5	<5	<5	Moderate-term on-the-job training	\$39,964	\$13.82	\$21.91
51-2023	Electromechanical Equipment Assemblers	40	30	-10	-25.0%	<5	<5	<5	Short-term on-the-job training	\$35,420	\$12.37	\$19.36
43-4061	Eligibility Interviewers, Government Programs	60	50	-10	-16.7%	<5	<5	<5	Moderate-term on-the-job training	\$30,898	\$12.55	\$16.01
43-5011	Cargo and Freight Agents	60	50	-10	-16.7%	<5	<5	<5	Moderate-term on-the-job training	\$29,455	\$8.46	\$17.01
51-2021	Coil Winders, Tapers, and Finishers	60	50	-10	-16.7%	<5	<5	<5	Short-term on-the-job training	\$24,058	\$8.92	\$12.89
41-3041	Travel Agents	80	70	-10	-12.5%	<5	<5	<5	Postsecondary vocational training	\$24,346	\$9.54	\$12.79
51-3093	Food Cooking Machine Operators and Tenders	100	90	-10	-10.0%	<5	<5	<5	Short-term on-the-job training	\$26,596	\$8.43	\$14.97
51-5022	Prepress Technicians and Workers	120	110	-10	-8.3%	<5	<5	<5	Postsecondary vocational training	\$33,085	\$11.17	\$18.27
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	130	120	-10	-7.7%	<5	<5	<5	Moderate-term on-the-job training	\$38,130	\$12.31	\$21.34



**Occupation Projections for North Central Wisconsin Workforce Development Area, 2004-2014**  
(Adams, Forest, Langlade, Lincoln, Marathon, Oneida, Portage, Vilas, and Wood Counties)

**Top 50 Occupations Losing Jobs**

SOC Code	Occupational Title	Estimated Employment <sup>(1)</sup>				Estimated Average Annual Openings <sup>(1)</sup>			Typical Education and Training Path <sup>(4)</sup>	Estimated Salary and Wages (2005)		
		2004	2014	Change	% Change	New Jobs	Replacements <sup>(2)</sup>	Total <sup>(3)</sup>		Average Annual Salary <sup>(5)</sup>	Entry Level Hourly Wage <sup>(6)</sup>	Experienced Hourly Wage <sup>(7)</sup>
51-2022	Electrical and Electronic Equipment Assemblers	180	170	-10	-5.6%	<5	<5	<5	Short-term on-the-job training	\$32,203	\$10.02	\$18.21
43-5021	Couriers and Messengers	210	200	-10	-4.8%	<5	10	10	Short-term on-the-job training	\$34,682	\$9.47	\$20.28
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	230	220	-10	-4.3%	<5	10	10	Moderate-term on-the-job training	\$28,642	\$9.79	\$15.76
15-1021	Computer Programmers	330	320	-10	-3.0%	<5	10	10	Bachelor's degree	\$51,259	\$15.82	\$29.06
51-9121	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	360	350	-10	-2.8%	<5	10	10	Moderate-term on-the-job training	\$34,688	\$12.78	\$18.62
43-5052	Postal Service Mail Carriers	510	500	-10	-2.0%	<5	20	20	Short-term on-the-job training	\$41,980	\$14.50	\$23.02

Also included in the top fifty but not shown to protect the confidentiality of employers are the following occupations:

51-6042	Shoe Machine Operators and Tenders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	\$30,823	\$11.46	\$16.50
51-9132	Photographic Processing Machine Operators	*	*	*	*	<5	<5	<5	Short-term on-the-job training	*	*	*
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	\$34,941	\$12.09	\$19.15
51-9011	Chemical Equipment Operators and Tenders	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	*	*	*

**Occupation Projections for North Central Wisconsin Workforce Development Area, 2004-2014**  
(Adams, Forest, Langlade, Lincoln, Marathon, Oneida, Portage, Vilas, and Wood Counties)

**Top 50 Occupations Losing Jobs**

SOC Code	Occupational Title	Estimated Employment <sup>(1)</sup>				Estimated Average Annual Openings <sup>(1)</sup>			Typical Education and Training Path <sup>(4)</sup>	Estimated Salary and Wages (2005)		
		2004	2014	Change	% Change	New Jobs	Replacements <sup>(2)</sup>	Total <sup>(3)</sup>		Average Annual Salary <sup>(5)</sup>	Entry Level Hourly Wage <sup>(6)</sup>	Experienced Hourly Wage <sup>(7)</sup>
51-8091	Chemical Plant and System Operators	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
51-6041	Shoe and Leather Workers and Repairers	*	*	*	*	<5	<5	<5	Long-term on-the-job training	*	*	*
45-4021	Fallers	*	*	*	*	<5	<5	<5	Moderate-term on-the-job training	\$30,963	\$14.43	\$15.12

Sub-Set Totals (Top 50)	23,900	22,030	-1,870	-7.8%	0	700	700
Overall Totals	199,070	222,540	23,470	11.8%	2,350	4,800	7,150
Percent of Overall	12.0%	9.9%			0.0%	14.6%	9.8%

See Notes At End of Workbook

**Occupation Projections for North Central Wisconsin Workforce Development Area, 2004-2014**  
(Adams, Forest, Langlade, Lincoln, Marathon, Oneida, Portage, Vilas, and Wood Counties)

**Top 50 Occupations with the Most Jobs in 2014**

SOC Code	Occupational Title	Estimated Employment <sup>(1)</sup>				Estimated Average Annual Openings <sup>(1)</sup>			Typical Education and Training Path <sup>(4)</sup>	Estimated Salary and Wages (2005)		
		2004	2014	Change	% Change	New Jobs	Replacements <sup>(2)</sup>	Total <sup>(3)</sup>		Average Annual Salary <sup>(5)</sup>	Entry Level Hourly Wage <sup>(6)</sup>	Experienced Hourly Wage <sup>(7)</sup>
53-3032	Truck Drivers, Heavy and Tractor-Trailer	5,850	6,590	740	12.6%	70	100	170	Moderate-term on-the-job training	\$38,419	\$13.24	\$21.09
41-2031	Retail Salespersons	5,700	6,510	810	14.2%	80	210	290	Short-term on-the-job training	\$22,325	\$6.82	\$12.69
29-1111	Registered Nurses	4,470	6,130	1,660	37.1%	170	90	260	Associate or Bachelor's degree <sup>(8)</sup>	\$53,615	\$20.07	\$28.63
41-2011	Cashiers	5,110	5,060	-50	-1.0%	<5	250	250	Short-term on-the-job training	\$16,147	\$6.13	\$8.58
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	4,520	4,630	110	2.4%	10	150	160	Short-term on-the-job training	\$25,000	\$7.12	\$14.47
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	3,620	4,190	570	15.7%	60	160	220	Short-term on-the-job training	\$15,043	\$5.94	\$7.88
43-4051	Customer Service Representatives	3,290	4,000	710	21.6%	70	50	120	Moderate-term on-the-job training	\$27,439	\$8.92	\$15.33
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	3,310	3,850	540	16.3%	50	60	110	Short-term on-the-job training	\$23,202	\$8.19	\$12.64
51-2092	Team Assemblers	3,400	3,770	370	10.9%	40	90	130	Moderate-term on-the-job training	\$26,245	\$8.88	\$14.48
35-3031	Waiters and Waitresses	3,270	3,750	480	14.7%	50	170	220	Short-term on-the-job training	\$15,400	\$5.90	\$8.16
43-9061	Office Clerks, General	3,330	3,510	180	5.4%	20	70	90	Short-term on-the-job training	\$22,970	\$7.74	\$12.70

**Occupation Projections for North Central Wisconsin Workforce Development Area, 2004-2014**  
(Adams, Forest, Langlade, Lincoln, Marathon, Oneida, Portage, Vilas, and Wood Counties)

**Top 50 Occupations with the Most Jobs in 2014**

SOC Code	Occupational Title	Estimated Employment <sup>(1)</sup>				Estimated Average Annual Openings <sup>(1)</sup>			Typical Education and Training Path <sup>(4)</sup>	Estimated Salary and Wages (2005)		
		2004	2014	Change	% Change	New Jobs	Replacements <sup>(2)</sup>	Total <sup>(3)</sup>		Average Annual Salary <sup>(5)</sup>	Entry Level Hourly Wage <sup>(6)</sup>	Experienced Hourly Wage <sup>(7)</sup>
31-1012	Nursing Aides, Orderlies, and Attendants	2,770	3,300	530	19.1%	50	40	90	Postsecondary vocational training	\$23,059	\$9.32	\$11.97
43-3031	Bookkeeping, Accounting, and Auditing Clerks	3,040	3,200	160	5.3%	20	60	80	Moderate-term on-the-job training	\$26,847	\$8.63	\$15.05
43-6014	Secretaries, Except Legal, Medical, and Executive	2,930	2,800	-130	-4.4%	<5	60	60	Moderate-term on-the-job training	\$26,283	\$9.53	\$14.19
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	2,120	2,410	290	13.7%	30	60	90	Moderate-term on-the-job training	\$52,271	\$13.87	\$30.76
47-2031	Carpenters	2,000	2,360	360	18.0%	40	30	70	Long-term on-the-job training	\$35,663	\$13.55	\$18.94
43-5081	Stock Clerks and Order Fillers	2,530	2,320	-210	-8.3%	<5	90	90	Short-term on-the-job training	\$20,279	\$6.61	\$11.32
37-2012	Maids and Housekeeping Cleaners	2,040	2,290	250	12.3%	30	40	70	Short-term on-the-job training	\$17,876	\$6.84	\$9.47
43-6011	Executive Secretaries and Administrative Assistants	2,040	2,280	240	11.8%	20	40	60	Moderate-term on-the-job training	\$31,812	\$11.28	\$17.30
49-9042	Maintenance and Repair Workers, General	2,000	2,210	210	10.5%	20	40	60	Long-term on-the-job training	\$33,827	\$11.05	\$18.87
11-1021	General and Operations Managers	1,930	2,210	280	14.5%	30	40	70	Bachelor's or higher degree+ work experience	\$81,796	\$20.12	\$48.93
43-4171	Receptionists and Information Clerks	1,740	2,060	320	18.4%	30	40	70	Short-term on-the-job training	\$22,219	\$8.68	\$11.68

**Occupation Projections for North Central Wisconsin Workforce Development Area, 2004-2014**  
(Adams, Forest, Langlade, Lincoln, Marathon, Oneida, Portage, Vilas, and Wood Counties)

**Top 50 Occupations with the Most Jobs in 2014**

SOC Code	Occupational Title	Estimated Employment <sup>(1)</sup>				Estimated Average Annual Openings <sup>(1)</sup>			Typical Education and Training Path <sup>(4)</sup>	Estimated Salary and Wages (2005)		
		2004	2014	Change	% Change	New Jobs	Replacements <sup>(2)</sup>	Total <sup>(3)</sup>		Average Annual Salary <sup>(5)</sup>	Entry Level Hourly Wage <sup>(6)</sup>	Experienced Hourly Wage <sup>(7)</sup>
43-1011	First-Line Supervisors/Managers of Office and Administrative Support Workers	1,810	1,940	130	7.2%	10	40	50	Work experience in a related occupation	\$42,812	\$13.29	\$24.23
53-3033	Truck Drivers, Light or Delivery Services	1,680	1,920	240	14.3%	20	20	40	Short-term on-the-job training	\$23,360	\$7.86	\$12.91
53-7064	Packers and Packagers, Hand	1,690	1,910	220	13.0%	20	30	50	Short-term on-the-job training	\$19,236	\$6.41	\$10.67
35-3011	Bartenders	1,640	1,840	200	12.2%	20	70	90	Short-term on-the-job training	\$16,688	\$6.38	\$8.84
25-2021	Elementary School Teachers, Except Special Education	1,550	1,750	200	12.9%	20	30	50	Bachelor's degree	\$43,722	Not Available	Not Available
53-7051	Industrial Truck and Tractor Operators	1,640	1,690	50	3.0%	10	30	40	Short-term on-the-job training	\$29,071	\$11.07	\$15.43
51-1011	First-Line Supervisors/Managers of Production and Operating Workers	1,580	1,670	90	5.7%	10	30	40	Work experience in a related occupation	\$47,220	\$14.67	\$26.72
51-9198	Helpers--Production Workers	1,570	1,630	60	3.8%	10	40	50	Short-term on-the-job training	\$26,490	\$9.12	\$14.54
25-9041	Teacher Assistants	1,390	1,620	230	16.5%	20	30	50	Associate degree	\$22,282	Not Available	Not Available
41-1011	First-Line Supervisors/Managers of Retail Sales Workers	1,420	1,500	80	5.6%	10	30	40	Work experience in a related occupation	\$34,363	\$10.80	\$19.38
13-2011	Accountants and Auditors	1,230	1,460	230	18.7%	20	20	40	Bachelor's degree	\$52,670	\$17.98	\$28.99

**Occupation Projections for North Central Wisconsin Workforce Development Area, 2004-2014**  
(Adams, Forest, Langlade, Lincoln, Marathon, Oneida, Portage, Vilas, and Wood Counties)

**Top 50 Occupations with the Most Jobs in 2014**

SOC Code	Occupational Title	Estimated Employment <sup>(1)</sup>				Estimated Average Annual Openings <sup>(1)</sup>			Typical Education and Training Path <sup>(4)</sup>	Estimated Salary and Wages (2005)		
		2004	2014	Change	% Change	New Jobs	Replacements <sup>(2)</sup>	Total <sup>(3)</sup>		Average Annual Salary <sup>(5)</sup>	Entry Level Hourly Wage <sup>(6)</sup>	Experienced Hourly Wage <sup>(7)</sup>
25-2031	Secondary School Teachers, Except Special and Vocational Education	1,270	1,390	120	9.4%	10	40	50	Bachelor's degree	\$41,990	Not Available	Not Available
39-9021	Personal and Home Care Aides	1,000	1,370	370	37.0%	40	20	60	Short-term on-the-job training	\$19,188	\$8.06	\$9.81
51-9196	Paper Goods Machine Setters, Operators, and Tenders	1,430	1,280	-150	-10.5%	<5	30	30	Moderate-term on-the-job training	\$40,436	\$14.56	\$21.88
51-9111	Packaging and Filling Machine Operators and Tenders	1,400	1,280	-120	-8.6%	<5	30	30	Short-term on-the-job training	\$25,867	\$9.16	\$14.07
35-2021	Food Preparation Workers	1,080	1,280	200	18.5%	20	40	60	Short-term on-the-job training	\$18,797	\$6.92	\$10.09
43-4151	Order Clerks	1,200	1,250	50	4.2%	10	30	40	Short-term on-the-job training	\$21,862	\$7.78	\$11.87
43-5071	Shipping, Receiving, and Traffic Clerks	1,180	1,220	40	3.4%	<5	20	20	Short-term on-the-job training	\$26,596	\$8.79	\$14.79
35-1012	First-Line Supervisors/Managers of Food Preparation and Serving Workers	1,050	1,220	170	16.2%	20	30	50	Work experience in a related occupation	\$26,097	\$8.53	\$14.55
49-3023	Automotive Service Technicians and Mechanics	1,050	1,180	130	12.4%	10	30	40	Postsecondary vocational training	\$29,817	\$8.83	\$17.09
39-9011	Child Care Workers	1,020	1,180	160	15.7%	20	30	50	Short-term on-the-job training	\$16,376	\$6.02	\$8.80
21-2011	Clergy	1,050	1,160	110	10.5%	10	20	30	Master's degree	\$39,667	\$12.28	\$22.47

**Occupation Projections for North Central Wisconsin Workforce Development Area, 2004-2014**  
(Adams, Forest, Langlade, Lincoln, Marathon, Oneida, Portage, Vilas, and Wood Counties)

**Top 50 Occupations with the Most Jobs in 2014**

SOC Code	Occupational Title	Estimated Employment <sup>(1)</sup>				Estimated Average Annual Openings <sup>(1)</sup>			Typical Education and Training Path <sup>(4)</sup>	Estimated Salary and Wages (2005)		
		2004	2014	Change	% Change	New Jobs	Replacements <sup>(2)</sup>	Total <sup>(3)</sup>		Average Annual Salary <sup>(5)</sup>	Entry Level Hourly Wage <sup>(6)</sup>	Experienced Hourly Wage <sup>(7)</sup>
31-1011	Home Health Aides	760	1,130	370	48.7%	40	10	50	Short-term on-the-job training	\$19,334	\$7.36	\$10.26
37-3011	Landscaping and Groundskeeping Workers	960	1,120	160	16.7%	20	20	40	Short-term on-the-job training	\$21,957	\$7.37	\$12.15
47-2111	Electricians	950	1,080	130	13.7%	10	20	30	Long-term on-the-job training	\$47,768	\$17.13	\$25.88
29-2061	Licensed Practical and Licensed Vocational Nurses	930	1,070	140	15.1%	10	20	30	Postsecondary vocational training	\$34,962	\$14.09	\$18.17
35-2014	Cooks, Restaurant	920	1,060	140	15.2%	10	30	40	Long-term on-the-job training	\$18,100	\$7.32	\$9.39
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	990	1,030	40	4.0%	<5	20	20	Moderate-term on-the-job training	\$31,374	\$10.48	\$17.38

Sub-Set Totals (Top 50)	108,454	120,674	12,210	11.3%	1,290	2,750	4,040
Overall Totals	199,070	222,540	23,470	11.8%	2,350	4,800	7,150
Percent of Overall	54.5%	54.2%	52.0%		54.9%	57.3%	56.5%

**See Notes At End of Workbook**

## Occupation Projections for North Central Wisconsin Workforce Development Area, 2004-2014

(Adams, Forest, Langlade, Lincoln, Marathon, Oneida, Portage, Vilas, and Wood Counties)

### Education or Training Path for Occupations

Typical Education or Training Path	Number of Occupations Included	Estimated Employment <sup>(1)</sup>				Estimated Average Annual Openings <sup>(1)</sup>		
		2004	2014	Change	% Change	New Jobs	Replacements <sup>(2)</sup>	Total <sup>(3)</sup>
All occupations	765	199,070	222,540	23,470	11.8%	2,350	4,800	7,150
Associate degree	37	4,700	5,770	1,070	22.8%	110	90	200
Bachelor's degree	110	24,100	29,200	5,100	21.2%	510	470	980
Master's degree	38	4,960	6,020	1,060	21.4%	110	100	210
First professional degree	20	1,930	2,420	490	25.4%	50	30	80
Doctoral degree	43	1,300	1,640	340	26.2%	30	30	60
Long-term on-the-job training	85	15,640	17,470	1,830	11.7%	180	340	520
Moderate-term on-the-job training	171	46,900	50,290	3,390	7.2%	340	970	1,310
Short-term on-the-job training	135	71,180	77,530	6,350	8.9%	640	2,200	2,840
Bachelor's or higher degree, plus work experience	33	6,320	7,210	890	14.1%	90	120	210
Work experience in a related occupation	41	10,760	11,880	1,120	10.4%	110	230	340
Postsecondary vocational training	52	11,300	13,120	1,820	16.1%	180	230	410

**See Notes At End of Workbook**



## Occupation Projections for North Central Wisconsin Workforce Development Area, 2004-2014

(Adams, Forest, Langlade, Lincoln, Marathon, Oneida, Portage, Vilas, and Wood Counties)

### Notes:

(1) **Employment** is a count of jobs rather than people, and includes all part- and full-time nonfarm jobs. Employment does not include self-employed or unpaid family workers.

Employment is rounded to the nearest ten, with employment less than five rounded to zero. Totals may not add due to rounding.

(2) **Replacements** are an estimate of the number of job openings expected because people have permanently left a given occupation. Permanent exits occur if someone dies, retires, or otherwise leaves the labor force. Permanent exits also include openings resulting from someone permanently changing occupations. For example, a person leaves their job as a cashier and becomes a truck driver. Openings resulting from people changing employers, but staying in the same occupation are not included.

(3) **Total openings** are the sum of new jobs and replacements. Total openings are an indication of how many new people are needed to enter a given occupation.

(4) **Typical Education and Training Path** gives a general indication of the education or training typically needed in a given occupation. There may be other pathways into the occupation, as well as additional educational, training, or licensing requirements.

**Short-Term On-the-Job Training:** These occupations require no more than one month of on-the-job training and the training usually happens at the workplace.

**Moderate-Term On-the-Job Training:** Training for these occupations usually occurs at the workplace and lasts from one to twelve months.

**Long-Term On-the-Job Training:** These occupations require more than one year of on-the-job training, or combined work experience and classroom instruction.

**Work Experience in Related Occupation:** Occupations in this category require skills and experience gained in other jobs.

**Postsecondary Vocational Training:** These formal training programs last from a few weeks to more than a year, and are offered at vocational or technical schools.

**Associate Degree:** This degree requires two years of full-time academic work beyond high school.

**Bachelor's Degree:** This degree requires four or five years of full-time academic work at a college or university.

**Master's Degree:** This degree requires one to two years of full-time study beyond a bachelor's degree.

**Doctoral Degree:** This degree usually requires at least three years of full-time study beyond a bachelor's degree.

**First Professional Degree:** These degrees typically require at least two years of full-time study beyond a bachelor's degree.

**Bachelor's or higher degree, plus work experience:** These occupations require a bachelor's or higher degree, in addition to work experience in a related non-managerial position.

(5) **Average Annual Salary:** An occupation's average hourly wage is calculated by summing the wages of all employees in a given occupation and then dividing by the total number of employees in that occupation. In most cases, the annual average salary is equal to the average hourly wage multiplied by 2,080.

(6) **Entry Level Hourly Wage** is the average of the lower third of wages that are paid in a given occupation.

(7) **Experienced Hourly Wage** is the average of the upper two-thirds of wages that are paid in a given occupation.

(8) Depending upon the specific position and employer either an Associate or Bachelor's degree are most common.

\* Data is suppressed to preserve the confidentiality of employers.

Projections information is derived using the November 2004 OES Survey, 2004 QCEW and 2004 CES (3/2005 Benchmark) data. Unpublished data from the US Bureau of Labor Statistics and US Census Bureau was also used. Wage information derived from the May 2005 Estimates Delivery System.

**Occupation Projections for North Central Wisconsin Workforce Development Area, 2004-2014**  
(Adams, Forest, Langlade, Lincoln, Marathon, Oneida, Portage, Vilas, and Wood Counties)

**Notes:**

To the extent possible, the projections take into account anticipated changes in Wisconsin's economy from 2004 to 2014. It is important to note unanticipated events may affect the accuracy of these projections.

**Projections Methodology**

Karin Wells  
(608) 264-7841  
Karin.Wells@dwd.state.wi.us

**Regional Economist**

Scott Hodek  
(715) 836-2997  
Scott.Hodek@dwd.state.wi.us